

NO: R083

COUNCIL DATE: April 25, 2022

REGULAR COUNCIL

TO: **Mayor & Council**

DATE: **April 21, 2022**

FROM: **Fire Chief**

FILE: **1280-01**

SUBJECT: **Award of Contract No. 1220-040-2021-062 for two 2,000 Gallon Water Tanker Trucks**

RECOMMENDATION

The Surrey Fire Service recommends that Council:

1. Award Contract No. 1220-040-2021-062 to Safetek Emergency Vehicles Ltd. to supply and deliver two tandem axle cabover, 2,000-gallon water tanker trucks as reflected in this report, at a cost of \$1,646,476.16 including taxes and levies.
2. Set the expenditure authorization limit for Contract No. 1220-040-2021-062 at \$1,800,000.00 including contingencies, taxes and levies; and
3. Authorize the Fire Chief, Surrey Fire Service, to execute Contract No. 1220-040-2021-062 and approve payments up to the expenditure authorization limit.

INTENT

The purpose of this report is to seek Council approval for staff to purchase two tandem axle cabover, 2,000-gallon water tanker trucks to replace two existing tanker trucks that are due for replacement as part of the 2022 Capital Reserve Plan.

DISCUSSION

In 2020, the City of Surrey (the “City”) was issued the Fire Underwriters Survey (“FUS”) Superior Tanker Shuttle Service Re-Accreditation Certificates (the “Re-Accreditation”). Attached as Appendix “I” is a copy of the December 17, 2020 inter-office memorandum “Superior Tanker Shuttle Service Re-Accreditation” for your reference. Receiving Re-Accreditation maintains the City of Surrey’s existing Public Fire Protection Classification for providing fire protection facilities/resources to the community to prevent and control fires that may be expected to occur. The Re-Accreditation provides savings on fire insurance premiums for both commercial and residential properties in areas of Surrey not serviced by fire hydrants but within the Superior Tanker Shuttle accredited district. The current accreditation is estimated to result in net savings

of fire insurance premiums to the owners of properties not serviced with City fire hydrants of 12.5% to 13.5% for commercial buildings and 25% to 27% on residential buildings.

Water tanker trucks provide the critical service of delivering water in support of fire department operations in areas of the city not serviced by fire hydrants. To maintain the FUS issued Re-Accreditation, the Surrey Fire Service operates five water tanker trucks. The replacement of two existing water tankers is required as their age (28 and 29 years) dictates they will no longer be eligible for consideration in the 2025 Superior Tanker Shuttle Service Re-Accreditation.

Procurement Process

A Request for Quotations was posted on BC Bid and the City's website. The City received submissions from three proponents as follows:

Supplier	Chassis option	Tendered Amount Including Taxes and Levies
Fort Garry Fire Trucks	conventional	\$1,194,583.04
Safetek Emergency Vehicles Ltd.	conventional	\$1,451,296.00
Safetek Emergency Vehicles Ltd.	cabover	\$1,646,476.16
Fort Garry Fire Trucks	cabover	\$1,722,660.80
Commercial Emergency Equipment	cabover	\$1,911,389.76

Pricing received for the cabover chassis was anticipated to be higher than the conventional chassis. Comparing the pricing to similar purchases in 2014, the quote reflects an 81.7% increase. When considering the cabover chassis cost, inflation in manufacturing over recent years, and combined with ongoing supply chain issues, the comparable prices quoted are in line with an approximate annual inflation of 7.5%.

EVALUATION

The evaluation team included staff from Engineering Operations Fleet, Surrey Fire Service and Finance Department who reviewed the quotations for accuracy and completeness. The City received five submissions from the three proponents. Safetek Emergency Vehicles Ltd., and Fort Garry Fire Trucks, both provided optional quotes for conventional crew cab chassis as well as cabover engine crew cab chassis.

Upon evaluation of the submissions, the review team noted a significant difference in overall length of the conventional crew cab chassis compared to the cabover engine crew cab chassis. The difference is about 50 inches making the longer vehicles (conventional crew cab) too long to be housed in the existing fire hall.

It was also noted the wheelbase between the two configurations of chassis was shorter for the cabover engine configuration by approximately 70 inches. The shorter overall length provides improved maneuverability for staff who are often required to operate in confined areas.

The three cabover engine chassis quotes met our specifications and needs.

Legal Services Review

Legal Services has reviewed this report and has no concerns.

SUSTAINABILITY CONSIDERATIONS

The purchase of two tandem axle cabover, 2,000-gallon water tanker trucks supports the objectives of the City's Sustainability Charter. In particular, the purchase relates to the Sustainability Charter themes of Infrastructure and Public Safety. Specifically, this purchase supports the following Desired Outcomes ("DO") and Strategic Direction ("SD"):

- Energy and Climate DO7: Per capita emissions are low, and align with global, national and provincial GHG reduction targets;
- All Infrastructure SD1: Proactively manage community assets to maintain them over the long-term in a state of good repair;
- Public Safety DO2: Police and fire services provide timely and reliable responses across the city; and
- Public Safety DO6: Surrey has proactive and coordinated emergency prevention measures in place and can effectively deal with emergencies that arise.

FUNDING

Funding for this purchase is available from the Fire Equipment Reserve Fund contained in 2022 Capital Reserve Plan.

Larry Thomas
Fire Chief

Appendix "I" – Inter-Office Memo Superior Tanker Shuttle Service Re-Accreditation



APPENDIX "I"

INTER-OFFICE MEMO

TO: Mayor & Council, City Manager

FROM: Fire Chief, Emergency Planning Coordinator

DATE: December 18, 2020 **FILE: 7380-11**

RE: Superior Tanker Shuttle Service Re-accreditation

INTENT

The purpose of this inter-office memorandum is to provide information to Mayor and Council and City Manager regarding the City of Surrey’s Superior Tanker Shuttle Service Re-accreditation.

BACKGROUND

On December 16th, 2020, the Fire Underwriters Survey (“FUS”) issued Superior Tanker Shuttle Service Re-Accreditation Certificates for the City of Surrey. Receiving the re-accreditation maintains the City of Surrey’s existing Public Fire Protection Classification (“PFPC”) originally obtained during the 2009 FUS grading of the Surrey Fire Service ability to provide fire protection facilities/resources to the community, to prevent and control fires that may be expected to occur.

The PFPC is used by underwriters to determine the amount of risk they are willing to assume in each community or section of a community and to assist in calculating rates/premiums for fire insurance.

The 2020 re-accreditation process was necessary as the existing Certificates of Accreditation covering properties within 8km of Fire Halls 5, 8 and 14 were expiring for the 5-year period ending in 2020.

DISCUSSION

The requirements related to this re-accreditation are stringent and verify that the Surrey Fire Service is capable of delivering acceptable water flows by way of water tankers to detached dwellings throughout the City in areas not serviced by hydrants. As an accredited agency, owners of detached dwellings within a qualifying road distance of the responding fire station (8km) are eligible to receive a significant reduction in their fire insurance premiums. Insurers are advised that Superior Tanker Shuttle Accredited fire protection districts qualify for hydrant protected equivalency status and may be rated as protected.

This represents a potential savings on fire insurance premiums for both commercial and residential properties in areas of Surrey not serviced by fire hydrants but within the Superior Tanker Shuttle Accredited district. The current PFPC rating is estimated to result in net savings of fire insurance premiums to the owners of properties not serviced with City fire hydrants of 12.5% to 13.5% for commercial buildings and 25% to 27% on residential buildings.

CONCLUSION

This re-accreditation is in effect from November 17th, 2020 through November 17th, 2025. Maintaining FUS Certificates of Accreditation for Superior Tanker Shuttle Service should result in continued reduced fire insurance premiums for owners of both commercial and residential properties in areas not serviced by City fire hydrants.

If you have any questions, please contact me at 604-543-6703.

A handwritten signature in black ink, appearing to read "Larry Thomas".

Larry Thomas
Fire Chief

c.c. General Manager, Planning & Development
General Manager, Finance